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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/751,372	12/29/2000	Anthony X. Jarvis	00-BN-051 (STM101-00051)	8275
30425	7590	08/12/2004		EXAMINER
STMICROELECTRONICS, INC. MAIL STATION 2346 1310 ELECTRONICS DRIVE CARROLLTON, TX 75006			O BRIEN, BARRY J	
			ART UNIT	PAPER NUMBER
			2183	

DATE MAILED: 08/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Advisory Action</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/751,372	JARVIS ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Barry J. O'Brien	2183

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

THE REPLY FILED 25 June 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY** [check either a) or b)]

- a)  The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.
- b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  
ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1.  A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2.  The proposed amendment(s) will not be entered because:
  - (a)  they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b)  they raise the issue of new matter (see Note below);
  - (c)  they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d)  they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_

3.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5.  The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6.  The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7.  For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: 1-22.

Claim(s) withdrawn from consideration: \_\_\_\_\_.

8.  The drawing correction filed on \_\_\_\_\_ is a) approved or b) disapproved by the Examiner.

9.  Note the attached Information Disclosure Statement(s) ( PTO-1449) Paper No(s). \_\_\_\_\_.

10.  Other: \_\_\_\_\_

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Continuation of 5. does NOT place the application in condition for allowance because: The Applicant argues on p.12 of the amendment filed on 6/25/04 with respect to claims 1 and 14 that "the alignment unit must examine the contents of the retrieved data to ensure that it is properly aligned" and thus that "Greenley teaches away from the present invention". The Applicant's assertion is incorrect. The citation that the Applicant relies upon (Greenley, Col.2 lines 19-25) does not say that the alignment unit 170 must align the data fetched, but simply that an access to data must insure that the data is aligned. In situations when the data is already aligned as fetched, the alignment unit then becomes unnecessary, and then can be bypassed as taught by Dye (see paragraphs 7-9 and 42-44 of the Final Rejection). Thus, when full register width data is fetched and is already aligned, Greenley in view of Dye has taught the capability to bypass both the alignment and sign extension units. Therefore, Greenley does not teach away from the claimed invention, as in situations where aligned, full-width data is fetched, both the alignment and sign extension units are moot and can be skipped in the manner of Dye, and as such Greenley in view of Dye reads on claims 1 and 14. The same clarification can be made in regards to the Applicants arguments on p.13 of the present amendment that are directed towards claim 10. Specifically, as shown above, when fetched data is full-width and aligned, both the alignment and the sign-extension units become unnecessary and can be bypassed, which allows such data to be transferred directly to the register file instead of first being processed by the alignment and sign-extension units (see paragraphs 30-32 and 42-44 of the Final Rejection). As such, Greenley in view of Dye reads on claim 10. .

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